

IN THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A mobile ~~telephone~~ for connecting to multiple wireless networks said mobile phone is located in an overlapping cellular network and wireless local area network (WLAN), said mobile phone comprising:

a cellular module for handling a call through ~~a~~said cellular ~~telephone~~~~network~~ said cellular module detects said cellular network and loads a cellular module profile to configure said mobile phone to send and receive calls on said cellular network;~~and~~

a wireless network module, operably connected to said cellular module, for handling a call through ~~a~~said wireless local area network (WLAN), wherein said cellular module and said wireless network module transmit simultaneously, said wireless network module scans for WLAN signals and matches WLAN parameters with a stored profile that configures said mobile phone to access said WLAN using an authorization procedure that is active on said WLAN and registers said mobile phone with a gateway on a network connected to said WLAN; and

said mobile ~~telephone~~ detects a WLAN access point and loads an operating WLAN profile for said wireless network module that configures said mobile ~~telephone~~ to site-specific WLAN network parameters, wherein said mobile phone is capable of making or receiving calls from both networks.

2. (Currently Amended) The mobile ~~telephone~~ of claim 1, wherein said profile comprises at least one of a plurality of parameters saved into a memory of said mobile phone of voice compression protocols and Internet Protocol network addresses.

3. (Currently Amended) The mobile ~~telephone~~ of claim 1, wherein said profile is one of a plurality of profiles which comprise configuration parameters for a plurality of wireless networks comprising a plurality of wireless network locations.

4. (Currently Amended) The mobile ~~telephone~~ of claim 1, wherein said cellular module handles said calls using cellular network protocols, and

said wireless network module handles said calls on said WLAN using voice over Internet protocols.

5. (Original) The mobile phone of claim 1, wherein, when said mobile phone enters a broadcast area of a wireless private branch exchange (PBX) network, said wireless network module senses said wireless PBX and loads a profile specific to said wireless PBX which enables said mobile phone to send and receive calls using a telephone number associated with said wireless PBX.

6. (Currently Amended) The mobile phone of claim 1, wherein, when said operating profile is loaded into said wireless network module, said wireless network module matches a network address from said profile with said WLAN, allowing said mobile ~~telephone~~ to transmit said call using said ~~telephone~~ number through said WLAN.

7. (Currently Amended) The mobile ~~telephone~~ of claim 1, wherein, when the mobile phone enters a home WLAN, said wireless network module senses said home WLAN,

loads a profile specific to said home WLAN which configures said mobile phone for sending and receiving calls using a home telephone number.

8. (Currently Amended) The mobile ~~telephone~~ of claim 1, wherein the wireless network module senses broadcast signals from a plurality of different WLANs and loads one of a plurality of said profiles to configure voice over Internet Protocols for said mobile telephone that are pre-configured for each said WLAN.

9. (Currently Amended) The mobile ~~telephone~~ of claim 7, wherein, when said mobile ~~telephone~~ enters a hotspot network broadcast area, said wireless network module senses said hotspot network and loads one of a plurality of said profiles to configure said mobile telephone to send and receive calls through said hotspot network using appropriate voice over Internet protocols.

10. (Currently Amended) The mobile ~~telephone~~ of claim 1, wherein said mobile phone cannot handoff a call between said cellular network and said WLAN.

11. (Cancelled).

12. (Currently Amended) The mobile ~~telephone~~ of claim 1, wherein, when said phone receives both said cellular network call and said WLAN call, said phone may switch between the two calls using a call waiting procedure.

13. (Currently Amended) A mobile ~~telephone~~ for connecting to multiple wireless networks, comprising:

a cellular system that routes calls under cellular protocols;

a wireless network system, operably connected to said cellular ~~modules~~system,

that routes calls under voice over Internet protocol (VOIP) protocols through a wireless local area network (WLAN); and

a memory system, operably connected to said wireless network system, for saving a plurality of profiles network configuration parameters for said mobile telephone that match each different type of said WLAN with which said mobile telephone interacts,

wherein said cellular system and said wireless network system are configured to route calls simultaneously, and

said mobile telephone detects a specific WLAN and loads at least one of said profiles matching said specific WLAN, when said mobile phone enters a broadcast area of a wireless private branch exchange (PBX) network, said wireless network module senses said wireless PBX and loads a profile specific to said wireless PBX which enables said mobile phone to send and receive calls using a telephone number associated with said wireless PBX, when the mobile phone enters a home WLAN, said wireless network module senses said home WLAN, loads a profile specific to said home WLAN which configures said mobile phone for sending and receiving calls using a home telephone number, and , wherein said phone is capable of making or receiving calls from any of said multiple networks.

14. (Currently Amended) The mobile telephone of claim 13, wherein each of said profiles comprises at least one of a plurality of parameters saved into a memory of said mobile phone of voice compression protocols and Internet Protocol network addresses.

15. (Original) The mobile phone of claim 13, wherein, when said mobile phone enters a broadcast area of a wireless private branch exchange (PBX) network, said wireless network system detects said wireless PBX and loads one of said profiles specific to said

wireless PBX which enables said mobile phone to send and receive calls using a telephone number associated with said wireless PBX.

16. (Original) The mobile phone of claim 13, wherein, when one of said profiles loads into said wireless network system, said wireless network system matches a network address from said profile with said WLAN, allowing said mobile telephone to route calls through said WLAN.

17. (Currently Amended) The mobile ~~telephone~~ of claim 13, wherein said mobile phone cannot handoff a call between said cellular network and said WLAN.

18. (Currently Amended) The mobile ~~telephone~~ of claim 13, wherein, when said mobile ~~telephone~~ is located in an overlapping cellular network and WLAN area, said cellular system detects said cellular network and loads a cellular system profile to configure said mobile ~~telephone~~ to send and receive calls on said cellular network, and

said wireless network system scans for WLAN signals and matches WLAN parameters with a stored profile that configures said mobile phone to access said WLAN using an authorization procedure that is active on said WLAN and registers said mobile telephone with a gateway on a network connected to said WLAN.

19. (New) A mobile phone for connecting to multiple wireless networks said mobile phone is located in an overlapping cellular network and wireless local area network (WLAN), said mobile phone comprising:

a cellular module for handling a call through said cellular network;

a wireless network module, operably connected to said cellular module, for

handling a call through said wireless local area network (WLAN), wherein said cellular module and said wireless network module transmit simultaneously; and

said mobile phone detects a WLAN access point and loads an operating WLAN profile for said wireless network module that configures said mobile phone to site-specific WLAN network parameters, when said mobile phone enters a broadcast area of a wireless private branch exchange (PBX) network, said wireless network module senses said wireless PBX and loads a profile specific to said wireless PBX which enables said mobile phone to send and receive calls using a telephone number associated with said wireless PBX, when the mobile phone enters a WLAN, said wireless network module senses said WLAN, loads a profile specific to said WLAN which configures said mobile phone for sending and receiving calls using a telephone number associated with said wireless WLAN, when said phone receives calls from at least two networks, said phone may switch between the two calls using a call waiting procedure.

20. (New) A mobile phone for connecting to at least a cellular network and a wireless network, comprising:

a cellular system that routes calls under cellular protocols, said cellular system detects said cellular network and loads a cellular profile to configure said mobile phone to send and receive calls on said cellular network;

a wireless network system, operably connected to said cellular system, that routes calls under voice over Internet protocol (VOIP) protocols through a wireless network;

a memory system, operably connected to said wireless network system, for

saving a plurality of profiles network configuration parameters for said mobile phone that match each different type of said wireless network with which said mobile phone interacts, wherein said cellular system and said wireless network system are configured to route calls simultaneously;

said mobile phone detects a specific wireless network and loads at least one of said profiles matching said specific wireless network, wherein, when said phone is located in an overlapping cellular network and wireless network, and

said wireless network module scans for wireless network signals and matches wireless network parameters with a stored profile that configures said mobile phone to access said wireless network using an authorization procedure that is active on said wireless network and registers said mobile telephone with a gateway on a network connected to said wireless network, wherein said mobile phone is capable of making or receiving calls from both networks.